

WASTEWATER TREATMENT PLANT OPERATOR-IN-TRAINING*Class Definition*

Under close supervision, receives training in the operation and maintenance of Wastewater Treatment Plant equipment and facilities.

Distinguishing Characteristics

Wastewater Treatment Plant Operator-in-Training is a training class for candidates qualified to learn the duties of a Wastewater Treatment Plant Operator, as defined by the State Water Resources Control Board. Incumbents of this class undergo a formal training program in the operation of a wastewater treatment plant under the direct supervision of a certified operator while gaining experience to qualify for an operator certificate. Failure to successfully complete the training program will be cause for termination. While in the class, incumbents will not achieve permanent status within the classified service, as defined in Fresno Municipal Code Section 2-1601.1(p)(5).

Wastewater Treatment Plant Operator-in-Training is distinguished from Wastewater Treatment Plant Operator I in that the latter is the entry level class in which incumbents who are certified by the State may perform a full range of routine assignments without close supervision.

Typical Tasks

(An incumbent may not be assigned all of the duties listed, nor do the examples cover all of the duties which may be assigned.)

Receives training to control the treatment of wastewater and sludges through the operation of pumps, motors, and valves utilizing manual, automatic and programmable systems.

Receives training to monitor the performance of wastewater unit processes by a variety of methods through visual observation, physical measurement, sampling, testing, data collection/analysis, and mathematical calculations.

Receives training and utilizes a local area computer network and distributed control system in the routine operating and monitoring of the treatment facility and the collection and maintenance of plant operational data.

Collects representative samples from various plant flows and unit processes for laboratory analysis.

Performs minor routine preventive maintenance, including lubrication of plant equipment, to maintain operating efficiency.

Maintains proper appearance and cleanliness of equipment and facilities.

May operate an on-site electrical power generation facility.

Operates other related systems such as a winery stillage waste disposal facility, secondary effluent disposal and a water reclamation system.

Performs related duties as required.

Knowledge, Abilities, and Skills

Some knowledge of the occupational hazards and safety precautions related to the operation of mechanical/electrical equipment.

Some knowledge of the operation and maintenance of mechanical/electrical equipment.

Ability to perform mathematical calculations at a level necessary for the completion of assigned duties.

Ability to read meters and gauges correctly.

Ability to learn the procedures and safety requirements of working in confined spaces.

Ability to follow oral and written instructions and make brief reports on plant operations.

Ability to learn the characteristics and safety requirements of the use of various chemicals used in the wastewater treatment industry, e.g., chlorine, ferric/ferrous chloride, polymer, etc.

Ability to learn the various operational procedures and safety practices involved in the day-to-day operation of a wastewater plant.

Ability to learn and utilize a local area computer network and distributed control system in the routine operating and monitoring of the treatment facility and the collection and maintenance of plant operational data.

Ability to learn the correct use of self-contained breathing apparatus.

Skill in the use of tools necessary to operate and maintain pumps and other related plant equipment.

Minimum Qualifications

Twelve (12) units of accredited college or university course work in chemistry, biology, physics, environmental science, algebra or engineering.

Six (6) months of experience in the maintenance and operation of pumps, valves, and electric motors, or in the

maintenance and operation of mechanical/electrical industrial equipment, or as a laboratory technician, or field experience in water quality or water treatment, may be substituted for nine (9) units of the required education.

Necessary Special Requirements

Possession of a valid California Driver's License at time of appointment.

Must file for or possess at time of appointment a Wastewater Treatment Plant Operator-in-Training Certificate issued by the State Water Resources Control Board.

Incumbents must obtain a minimum of Wastewater Treatment Plant Operator Grade I Certificate from the State Water Resources Control Board within the two year period following appointment, or employment with the City of Fresno will be terminated.

APPROVED: _____
Director of Administrative Services

DATE: _____

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